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Technical Data Sheet

Anti-Human CD24 PE

Catalogue Number : 06321-60

RUO: For Research Use Only. Not for use in diagnostic procedures.

Product Information

Clone: ML5

Format/Conjugate: PE

Concentration: 0.5 mg/mL

Reactivity: Human

Laser: Blue (488nm), Yellow/Green (532-561nm)

Peak Emission: 578nm

Peak Excitation: 496nm

Filter: 585/40

Brightness (1=dim,5=brightest): 5

Isotype: Mouse IgG2a, kappa

Formulation: Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, ph7.2.

Storage: Product should be kept at 2-8°C.

Applications: FC

Description

The ML5 monoclonal antibody specifically reacts with human CD24, a 35-45 kDA molecule also known as the Heat Stable Antigen (HAS), Ly-52, Nectadrin. It can be used as a marker for distinguishing between lymphocyte developmental stages as its expression varies on T and B cells during differentiation. CD24 is also expressed on monocytes, dendritic cells, hematopoietic stem cells, epidermal Lagershans cells, and neurons.

Preparation & Storage

The product should be stored undiluted at 4°C and should be protected from prolonged exposure to light. Do not freeze. The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.

Application Notes

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. The antibody can be used at less than or equal to 5 µL per test. A test is the amount of antibody required to stain a cell sample in the final volume of 100 µL.

References

1.McMichael, A. J. (1987).;Leucocyte typing III: white cell differentiation antigens. Oxford University Press, USA.

2. Sagiv, E., Kazanov, D., ; Arber, N. (2006). CD24 plays an important role in the carcinogenesis process of the pancreas.;Biomedicine ; pharmacotherapy,60(6), 280-284.

3. Kristiansen, G., Winzer, K. J., Mayordomo, E., Bellach, J., Schlüns, K., Denkert, C., ... ; Dietel, M. (2003). CD24 expression is a new prognostic marker in breast cancer.;Clinical Cancer Research,;9(13), 4906-4913.

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email: info@bio-gems.com | domain: www.bio-gems.com | phone: 818.338.3312 | fax: 818.338.3316